

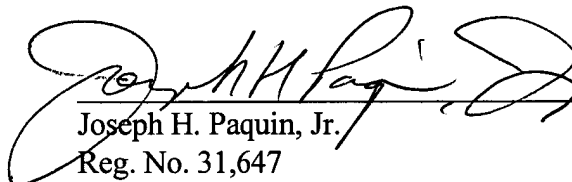
b signal having the pre-formatted signal modulated or otherwise embedded in the VBI. The pre-formatted signal is received from the broadcast interface and is transmitted on a carrier of the out-going signal. At least one transceiver receives the out-going signal and transmits a return signal on the carrier of the out-going signal.--

Attached hereto is a marked-up version of the changes made to the abstract by the current amendment.

REMARKS

The application has been deemed informal because the drawing sheet did not have the appropriate margins and the abstract exceeds 150 words in length. A new formal drawing and a revised abstract has been submitted. It is believed that the application is now formal. In addition, Applicants believe that no fee is required in connection with this response; but if so, please charge Account No. 13-0206. A duplicate of this transmittal is attached.

Respectfully submitted,


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VERSION WITH MARKINGS TO SHOW CHANGES

ABSTRACT

[The present application relates to the use of the] The vertical blanking interval ("VBI") [to] of a video signal is used in broadband communications including digital data transmission on the VBI or [for] a dual VBI/PCS [System Capable] system capable of enhancing rapid deployment of wireless VBI communications or PCS services to a remote transceiver where no or marginally profitable infrastructure exists. [Specifically, the present invention provides a] A wireless digital communication system [having] has a broadcast interface for encoding message information [on the vertical blanking interval] on the [(JVDI)] of a video signal [,] . [the] The message information is encoded to a VBI format [so as] to form a pre-formatted signal. A broadcast device [for transmitting] transmits an out-going signal having the pre-formatted signal modulated or otherwise embedded in the VBI [of the video signal]. The pre-formatted signal is received from the broadcast interface and is transmitted on a carrier of the out-going signal. At least one transceiver [exists for receiving] receives the out-going signal and [for transmitting] transmits a return signal on the carrier of the out-going signal [, the transceiver detects clock information relating to the synchronization bits of the broadcast and further includes a decoder for identifying the pre-formatted signal from the out-going signal so as to allow for the decoding of the message information and for displaying such message information to a user of the transceiver; an input device for inputting return message information; an encoding device for encoding the return message information; and a VBI modulating device for modulation or otherwise inserting the return signal on the out-going signal of the broadcast. The present invention further includes an antenna means for detecting the return signal that is supplied to a return

signal processor (RSP). The RSP detects the return signal from the carrier of the out-going signal of the broadcast and a message processor (MESP) decodes the message information from the return signal. The MESP is adapted to transmit the message information to public or private communications networks or public switches].

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